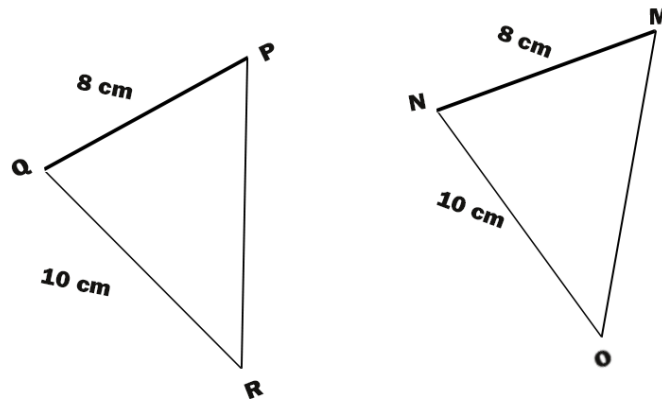


**Direction:** Select the letter of the correct answer for each question.

- 1) An isosceles triangle has \_\_\_\_\_ congruent sides.
- (a) Zero (0)
  - (b) Two (2)
  - (c) Three (3)
  - (d) Cannot be determined

Refer to the figure below to answer item 2.



- 2) Which of the following angles must be congruent with angle MNO such that triangles PQR and MNO will be congruent using the SAS Postulate?
- (a) angle PQR
  - (b) angle QPR
  - (c) angle PRQ
  - (d) None of the above
- 3) Suppose that  $x$ ,  $y$ , and  $z$  are the respective measurements of the interior angles of an isosceles triangle. If  $y$  and  $z$  are measurements of the base angles of the isosceles triangle, which of the following is TRUE?
- (a)  $x = y$



## Triangles: Classification and Theorems

### *Practice Questions*

- (b)  $x + y + z > 180$
- (c)  $y + z = 180$
- (d)  $y = z$

4) If two sides of a triangle measure 7 cm and 10 cm respectively, which of the following is NOT a possible measurement of the third side?

- (a) 3.21 cm
- (b) 8.55 cm
- (c) 16.9 cm
- (d) 20.5 cm

5) A triangle has two sides that measure 12 cm and 21 cm respectively. Identify the shortest possible length of its remaining side.

- (a) 9 cm
- (b) 7 cm
- (c) 6 cm
- (d) 5 cm



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*To God be the glory!*